

AMENDMENTS TO THE CLAIMS

1. (Currently Amended) Communication device ~~which is adapted for placement in~~
~~a users ear, the device comprising: and comprises~~

a shell part enclosing an input transducer for receiving an input signal,

a signal processing device and an output transducer for providing a signal

perceivable as sound,

a battery located at a surface part of the shell which is facing away from the
head of the user, and

a transmission and reception circuit for transmission and/or reception of
electromagnetic energy, ~~and whereby~~ the transmission and reception circuit including
an antenna for radiating and/or receiving electromagnetic energy is provided, the
antenna being disposed in relation to the battery such that it the antenna has a first
surface turned towards the surroundings facing away from the battery and a second
surface located in close proximity of facing towards the battery, the antenna and
battery further being situated in close proximity to each other such that the battery is
an electromagnetic shield between the antenna and other parts of the
communication device circuitry, thereby preventing the antenna from becoming de-
tuned as a result of variations in the position of the other circuitry in the device.

2. (Original) Communication device as claimed in claim 1, wherein the antenna is tuned to radiate and/or receive electromagnetic energy in the frequency range of 50 MHz to 50 GHz.

3. (Original) Communication device as claimed in claim 1, wherein the antenna is shaped as a part of a flexprint.

4. (Currently Amended) Communication device as claimed in claim 1, wherein the antenna is embedded in material ~~externally of the battery~~ a face plate and/or battery drawer.

5. (Original) Communication device as claimed in claim 4, wherein the antenna is a metal part.

6. (Currently Amended) Communication device as claimed in claim 1, wherein the antenna is manufactured by deposition of metal material on surface parts ~~of the~~ of a faceplate and/or battery drawer.

7. (Currently Amended) Communication device as claimed in claim 1, wherein the antenna covers a surface area of the shell which is wider than the projection of the battery ~~onto the~~ onto a faceplate surface.

8. (Currently Amended) Communication device as claimed in claim 1, wherein the antenna comprises a loop, which is usable also as also a charging loop for a ~~battery~~the battery.

9. (New) Communication device as claimed in claim 1, wherein the battery is a ground for the antenna.

10. (New) A method of shielding an antenna in a hearing aid from de-tuning or electromagnetic noise effects caused by other components in the hearing aid, the method comprising:

preventing the antenna from becoming de-tuned as a result of the position of other hearing aid circuitry located inside said hearing aid by disposing the antenna, which is part of a transmission and reception circuit, in close proximity to a battery situated inside the hearing aid such that the antenna has one surface facing in a sound-gathering direction of the heading aid and an opposite surface facing towards the battery, thereby causing the battery to ground and electromagnetically shield the antenna with respect to the other hearing aid components.

11. (New) The method of claim 10, wherein the antenna is tuned to radiate and/or receive electromagnetic energy in the frequency range of 50 MHz to 50 GHz.

12. (New) The method of claim 10, further comprising shaping the antenna as a part of a flexprint.

13. (New) The method of claim 10, further comprising embedding the antenna in a face plate and/or battery drawer.

14. (New) The method of claim 13, wherein the antenna is a metal part.

15. (New) The method of claim 10, further comprising manufacturing the antenna by depositing metal material on surface parts of a faceplate and/or battery drawer.

16. (New) The method of claim 10, further comprising positioning the antenna such that it covers a surface area of a shell of the hearing aid which is wider than the projection of the battery onto a faceplate surface.

17. (New) The method of claim 10, further comprising configuring the antenna as a charging loop for the battery.

18. (New) The method of claim 10, further comprising grounding the antenna with the battery.